## Lecture 6 - MIPS Programming

Thursday, February 6, 2020 10:55 AM

Objectives: - Learn about the MIPS Instruction Set

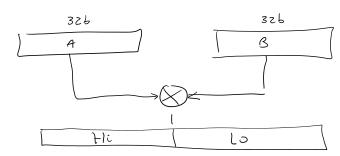
- Learn how to write assembly language programs
- Learn about MIPS arithmetic operations

Acc

- Begin learning how to design code using pseudocode

INTEGER MULTIPLICATION

C= A×B



mulo \$ R , \$ R , \$ R , -> mult \$Rs & Rs mfhi \$at mflo \$Ro sra \$ Ros Ro, 31 beg fat, \$RD, OK

Ro 32 A's

[ INSTRUCTIONS TO DEAL WITH OVER FLOW]

SHOITSUSTRUI NONTO OK:

MIPS SIMULATORS

PC SPIM } WINDOWS

MARS- MACOS

REGISTER USAGE

tp - LOOP COUNTER

ad - accumulator

al - current VAL BEING ADDED